

SOUTH DAKOTA STATEWIDE FISHERIES SURVEY

2102-F-21-R-48

Name: Brule Dam

County(ies): Stanley

Legal Description: T109N-R77W-Sec. 21

GPS: 44.22901°N 100.09394°W

Location from nearest town: 10 miles S and 12 miles E of Fort Pierre

Date of present survey: June 8-9, 2015

Date of last survey: None known

Most recent lake management plan: None done

Management classification: Unknown

Primary Game Species	Secondary and Other Species
Largemouth Bass	

PHYSICAL DATA

Brule Dam is located in Stanley County, South Dakota. The surrounding land and dam grade are owned and managed by the United States Department of Agriculture, Forest Service and is part of the Fort Pierre National Grasslands. Brule Dam is an 8.3 acre pond that had a maximum depth at the time of the survey of about 10.5 feet. Water level was full at the time of the survey.

The main submergent vegetation was broadleaf pondweed. The emergent vegetation consisted of a mixture of cattails and bulrushes. There is year round vehicle access to the dam, but boat access is limited to carry-in type boats. Good ice fishing opportunities do exist. No contour map or depth contour has ever been done.

CHEMICAL DATA

No pollution problems were evident at the time of the survey. Water clarity was excellent with a secchi disc reading of 3.5 feet. A temperature and dissolved oxygen profile was the only other water quality measurements done this survey and the results can be found in table 1.

Table 1. Water chemistry results from Brule Dam, Stanley County, June 8, 2015.

Station	Depth (ft)	Temp (F)	DO (ppm)
A	0	73.9	5.8
A	2	72.1	5.1
A	4	71.4	4.8
A	6	70.7	3.6
A	8	66.7	0.5

BIOLOGICAL DATA

Methods:

Brule Dam was sampled on June 8-9, 2015, with three overnight trap net sets. The trap nets have 3ft x 5ft frames, 60ft leads, and ¾ inch knotted mesh. No experimental gill nets or electrofishing was done during this survey season. Fish indices and statistics were completed using Winfin.

Results and Discussion:

The survey on Brule Dam was just an inventory survey to see what is actually found in the lake. After setting three nets for one night and catching no fish, the nets were pulled. No other info is known about the fish population at this time.

RECOMMENDATIONS

1. Resurvey, when time allows, to further monitor any fish populations that may be stocked.
2. Stock largemouth bass to establish a population.
3. Stock a panfish species to provide added opportunity.